

Scientists should unite against threat from religion

SIR — It was genuinely alarming to encounter Ziauddin Sardar's whitewash of Islam in the pages of your journal ('Beyond the troubled relationship' *Nature* **448**, 131–133; 2007). Here, as elsewhere, *Nature's* coverage of religion has been unfailingly tactful — to the point of obscurantism.

In his Commentary, Sardar seems to accept, at face value, the claim that Islam constitutes an "intrinsically rational world view". Perhaps there are occasions where public intellectuals must proclaim the teachings of Islam to be perfectly in harmony with scientific naturalism. But let us not do so, just yet, in the world's foremost scientific journal.

Under the basic teachings of Islam, the Koran cannot be challenged or contradicted, being the perfect word of the creator of the Universe. To speak of the compatibility of science and Islam in 2007 is rather like speaking of the compatibility of science and Christianity in the year 1633, just as Galileo was being forced, under threat of death, to recant his understanding of the Earth's motion.

An Editorial announcing the publication of Francis Collins's book, *The Language of God* ('Building bridges' *Nature* **442**, 110; 2006) represents another instance of high-minded squeamishness in addressing the incompatibility of faith and reason. *Nature* praises Collins, a devout Christian, for engaging "with people of faith to explore how science — both in its mode of thought and its results — is consistent with their religious beliefs".

But here is Collins on how he, as a scientist, finally became convinced of the divinity of Jesus Christ: "On a beautiful fall day, as I was hiking in the Cascade Mountains... the majesty and beauty of God's creation overwhelmed my resistance. As I rounded a corner and saw a beautiful and unexpected frozen waterfall, hundreds of feet high, I knew the search was over. The next morning, I knelt in the dewy grass as the sun rose and surrendered to Jesus Christ."

What does the "mode of thought" displayed by Collins have in common with science? *The Language of God* should have sparked gasping outrage from the editors at *Nature*. Instead, they deemed Collins's efforts "moving" and "laudable", commending him for building a "bridge across the social and intellectual divide that exists between most of US academia and the so-called heartlands."

At a time when Muslim doctors and engineers stand accused of attempting atrocities in the expectation of supernatural reward, when the Catholic Church still preaches the sinfulness of condom use in villages devastated by AIDS, when the

president of the United States repeatedly vetoes the most promising medical research for religious reasons, much depends on the scientific community presenting a united front against the forces of unreason.

There are bridges and there are gangplanks, and it is the business of journals such as *Nature* to know the difference.

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Religion: Islamic science fading before colonialism

SIR — In his Commentary on the rise and fall of Islamic science (*Nature* **448**, 131–133; 2007), Ziauddin Sardar's discussion of how modern Muslim societies could be improved by scientific endeavours is encouraging. However, he places most of the blame for the decline of Islamic science on Western colonialism. This is historically inaccurate. Like the tip of an iceberg, colonialism is not the major factor — just the most visible.

It is true that colonialism "displaced meaningful cultural activities from Muslim society," and caused "the general economic and political deterioration of Muslim society" that led to the ultimate collapse of Islamic science. But it's generally accepted that the golden age of Islamic science stretched from about 800–1400 AD, and its decline started more than a century before Western colonialism began in the late fifteenth century.

A number of devastating blows to Muslim society have been implicated in the decline of Islamic science: military invasions, massacres and infrastructure destruction; a long period of drought beginning around 1250 AD; and a series of plague epidemics between 1347 and 1515. These destructive developments overlap with the main period of decline of Islamic science in the fourteenth and fifteenth centuries. The onset of European colonialism from the late fifteenth century onward merely completed a process that had begun long before.

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Berlin shows how natural history can pull the crowds

SIR — You emphasized the roles that museums should play in both increasing and diffusing knowledge, in your Editorial 'Museums need two cultures' (*Nature* **446**, 583; 2007). Germany's premier natural-history institution, the Berlin museum of natural history, recently demonstrated the

potential that museums have to do the latter.

On 13 July, its main palaeontology exhibition reopened after a redesign. The dinosaurs in the main hall are now all mounted according to the latest findings in vertebrate palaeontology. The tallest mounted dinosaur skeleton in the world — of *Brachiosaurus brancai* — is no longer sprawling but striding majestically through the hall. On the opening day, thousands of visitors queued from the underground station, breaking Germany's record for the highest number of visitors to an exhibition during an opening weekend.

The Berlin *Brachiosaurus* skeleton was first mounted in 1937. Seventy years, although little by dinosaur standards, is a long time for scientists and the public to wait before money is provided for a modern exhibition. Funding bodies must recognize that natural-history museums are in a unique position to explain complex issues in science to a wide audience. But to do so, they need to be able to update their exhibits and present new research to the public on a regular basis.

The results are well worth the investment. During the opening weekend, more than 38,000 visitors preferred the Jurassic period to a day in the Berlin sunshine.

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Puns can be baffling, so keep headlines simple

SIR — I beg to differ with Renée M. Ned and Lisa N. Steele's Correspondence 'Slang's not so slick when you remember its origins' (*Nature* **447**, 775; 2007) about the use of the word 'pimp' in a News Feature headline ('Pimp my antibody' *Nature* **446**, 964–966; 2007).

The word first appeared in sixteenth-century France as the verb *pimper*, meaning 'to dress elegantly', and as the adjective *pimpant*, 'alluring in dress, seductive'. In the seventeenth century, the word was associated with 'a knave, rascal, varlet, scoundrel', according to the Online Etymology Dictionary (www.etymonline.com). The vulgar modern meaning probably derives from a combination of these. The sense in which it is used by the television show *Pimp My Ride* could imply dressing an automobile elegantly — admittedly with a hint of flashy style.

I personally find the use of puns, colloquialisms and cultural references more objectionable, as they are likely to be understandable to only a fraction of *Nature's* global readership. The English language is sufficiently complex without the need to understand these sometimes obscure